102. The controlling unit 122 sends the controlling signals to regulate the power outputted from the power converting module 100. For instance, the controlling unit 122 may narrow the duty cycle of the controlling signal to lower the power outputted from the power converting module 100 while the power is higher than a preset power (such as first power, the second power, or the third power required by the electronic device 3). On the contrary, the controlling unit 122 may broad the duty cycle of the controlling signal to heighten the power outputted from the power converting module 100 while the power is higher than the preset power. [0028] The feedback unit 124 is electrically connected to the output stage filter 108, the handshake module 140, and the controlling unit 122, and is configured to generate a feedback signal and sent the feedback signal to the controlling unit 122. The controlling unit 122 generates the controlling signals with particular duty cycle according the information involved in the feedback signal. More particularly, the feedback unit 124 is further configured to detects the power outputted from the output stage filter 108 and receive identifying signals generated by the handshake module 140, thus the feedback signal includes not only the information reflecting the power outputted from the output stage filter 108 but also the information involved in the identifying signal generated by the handshake module 140. [0029] The protecting unit 126 is electrically connected to the handshake module 140 and the controlling unit 122 and includes an over-voltage protecting circuit and an overcurrent protecting circuit for providing functions of overvoltage protection and over-current protection.

[0030] The electronic device 3 determines whether one of the second ID codes listed in the look-up table is matching with the first ID code or not when the electronic device 3 is connected to the power supply device 10. A first identifying signal is generated by the electronic device 3 and transmitted to the handshake module 140 to inform the power supply device 10 about the second ID code matching with the first ID code is listed in the look-up table. The first identifying signal is then transmitted to the feedback unit 124, and the feedback unit 124 sends the feedback signal including the information that the second ID code matching with the first ID code is listed in the look-up table to the controlling unit 122. Thereafter, the controlling unit 122 drives the power converting module 100 to output the first power to the electronic device 3 to meet the requirement of the charging operation.

[0031] On the contrary, a second identifying signal is generated by the electronic device 3 and transmitted to the handshake module 140 to inform the power supply device 10 about all of the second ID codes listed in the look-up table do not match with the first ID code. The second identifying signal is then transmitted to the feedback unit 124, and the feedback unit 124 sends the feedback signal including the information that all of the second ID codes listed in the look-up table do not match with the first ID code to the controlling unit 122. Thereafter, the controlling unit 122 drives the power converting module 100 to output the second power to the electronic device 3 to meet the requirement of the charging operation or output the third power to the electronic device 3 to meet the requirement of the normal operation.

[0032] Specifically, when one of the second ID code listed in the look-up table is matching with the first ID code, the first power outputted from the power supply device 10 must

include the rated voltage and/or the rated current of the electronic device 3 during charging operation.

[0033] The power supply device further includes a bidirectional connecting port 160 electrically connected to the output stage filter 108 and the handshake module 140 for transmitting data between the power supply device 10 and the electronic device 3 and conducting power from the power supply device 10 to the electronic device 3. The bi-directional connecting port 160 is, for example, an USB. More particularly, when the electronic device 3 is connected to the power supply device 10, the electronic device 3 reads the look-up table stored in the memory unit 142 via the bi-directional connecting port 160, and the first power, the second power, and the third power generated by the power supply device 10 is conducted to the electronic device 3 by the bi-directional connecting port 160.

[0034] Reference is made to FIG. 3, which is a circuit block diagram of an identification code updating module according to the first embodiment of the present invention. For sake of convenient explanation, FIG. 3 also illustrates the power supply device 10 and the electronic device 3. The identification code updating module 5 includes a microprocessor 50, an input port 52, and an output port 54, the microprocessor 50 is connected between the input port 52 and the output port 54, the input port 52 is configured to make a connection between the microprocessor 50 and the electronic device 3, and the output port 54 is connected to the bi-directional connecting port 160 of the power supply device 10.

[0035] The identification code updating module 5 obtains the first ID code of the electronic device 3 and updates a second ID code (thereafter " the new second ID code") matching with the first ID code to the look-up table when the second ID codes listed in the look-up table do not matching the first ID code.

[0036] Specifically, when performing an ID code updating procedure, the electronic device 3 generates information corresponding to the first ID code to the microprocessor 50 via the input port 52. The information corresponding to the first ID code is encoded by the microprocessor 50 to generates the new second ID code, and the new second ID code is then transmitted to the memory unit 142 shown in the FIG. 2 and listed in the look-up table via the bi-directional connecting port 160. Thereby the look-up list includes the new second ID code matching with the first ID code, and when the electronic device 3 having the first ID code is connected to the power supply device 10, the first power meet the charging operation of the electronic device 3 can be conducted to the electronic device 3.

[0037] It should be noted that the identification code updating module 5 is not limited to be the hardware structure shown in the FIG. 3. Selectively, the identification code updating module 5 may be software build-in the electronic device 3 or the power supply device 10.

[0038] Besides, the identification code updating module 5 is not limit to obtain the information corresponding to the first ID code from the electronic device 3. Selectively, the information corresponding to the first ID code may be obtained from cloud database. More particularly, the information corresponding to the first ID code is downloaded and transmitted to the microprocessor 50 by an electronic appliance (such as a personal computer) does not have the first ID code, and the information corresponding to the first ID code is encoded by the microprocessor 50 to generates the new